

D4Science Infrastructure - 3rdPartyApplication Support #10643

Regional Data Collection Application Registration

Dec 11, 2017 01:15 PM - Konstantinos Apostolopoulos

Status:	Authorised	Start date:	Dec 11, 2017
Priority:	Normal	Due date:	
Assignee:	Konstantinos Apostolopoulos	% Done:	100%
Authorized Redirect URLs:	https://dl016.madgik.di.uoa.gr:8443/rdc/#/dataCollections https://dl016.madgik.di.uoa.gr:8443/regional-data-collection-addin/static/#/dataCollections	Estimated time:	0.00 hour
		LogoURL:	https://dl016.madgik.di.uoa.gr:8443/rdc/assets/images/logo.png

Description

We would like to register the Regional Data Collection Application as a 3rd party application.

Application Name: Regional Data Collection

Is there any REST endpoint that can be called, instead of the OAuth one, that receives the username and password as parameters and returns the token upon successful login?

History

#1 - Dec 11, 2017 05:59 PM - Massimiliano Assante

- Status changed from New to In Progress

Hello Konstantinos,

i'm not sure I get your question. The purpose of creating a 3rd Party application is for letting your application to be used by D4Science users. So your app (actually <https://dl016.madgik.di.uoa.gr:8443/rdc/#/dataCollections> will receive the user token who authorised on D4Science).

Is this what you need to do? If so what do you mean by "Is there any REST endpoint that can be called, instead of the OAuth one"

#2 - Dec 12, 2017 10:14 AM - Konstantinos Apostolopoulos

Hello Massimiliano,
yes this is what we need.

We were just wondering if there were an alternative authentication service to avoid any possible problems caused by the necessary redirects that come with the OAuth2 protocol.
Our application is an Angular one running inside Office Excel as an add-in.

We will proceed with the OAuth2 protocol and the redirecting, but it would be more convenient if there were some other endpoint that would not demand redirects.

#3 - Jan 08, 2018 11:01 AM - Massimiliano Assante

Hi Konstantinos,
the logo you provided is of the BlueBRIDGE Project, you should provide us with the specific one for the Regional Data Collection Application. For the time being we are going to use the one provided. I'm going to share with you the required credentials you should use for OAuth2

#4 - Jan 08, 2018 11:36 AM - Massimiliano Assante

- % Done changed from 0 to 100

- Status changed from In Progress to Authorised

Dear Konstantinos,
your application has been authorised, please find the client id and client secret in the workspace at this URL (Only you and Panagiota can access it):
<https://goo.gl/TfjRQ8>

#5 - Jan 11, 2018 05:10 PM - Konstantinos Apostolopoulos

Dear Massimiliano,
we would like some additional information regarding the authentication workflow.

Based on the instructions presented in <https://wiki.gcube-system.org/gcube/OAuth2.0> ,
the first step should be to retrieve the authorization endpoint location.

Should we call the registry service REST-API?
What kind of credentials are required this service?

Would it be safe to call the OAuth endpoint provided in the example in OAuth wiki? (<https://next.d4science.org/group/next/authorization>)

Thank you in advance for your help,
Konstantinos

#6 - Jan 11, 2018 05:18 PM - Massimiliano Assante

Excellent question, i think the first step should be more clear as you're not the first asking this. It is quite safe for you to use the BlueBRIDGE production (the one in the doc is for dev) endpoint that would be:

<https://bluebridge.d4science.org/group/bluebridge-gateway/authorization>

So now you can go directly to perform an HTTP GET with the parameters indicated in "Invoking the authorization service":
https://wiki.gcube-system.org/gcube/OAuth2.0#Invoking_the_authorization_service

#7 - Jan 15, 2018 01:11 PM - Konstantinos Apostolopoulos

And on the next step, using the code retrieved from the first request, we have to make an HTTP POST request on
<https://socialnetworking1.d4science.org/social-networking-library-ws/rest> .
Is that correct?

Doing that we have come across some problems. We either get a CORS error or an authentication error.

Could we also have some more information on this request?
Does it need a "gcube-token" header for authentication?
"Content-Type" header should only be of type application/x-www-form-urlencoded, or is application/json also allowed?

Thanks,
Konstantinos

#8 - Jan 15, 2018 02:37 PM - Massimiliano Assante

Hello Konstantinos,
the next step would be:

Step 3 - Exchange Authorization Code for an Access Token

You need to make a POST to the gcube-oauth service, in the production environment its current value is <https://socialnetworking1.d4science.org/gcube-oauth/v2/access-token>

In the header part you would put:

```
httpPostRequest.addHeader("Content-Type", "application/x-www-form-urlencoded");  
httpPostRequest.addHeader("gcube-token", client_secret);
```

in the entity part you would put:

```
List<NameValuePair> params = new ArrayList<NameValuePair>();  
    params.add(new BasicNameValuePair("grant_type", "authorization_code"));  
    params.add(new BasicNameValuePair("code", $YOUR_TEMP_CODE)); <--YOUR_TEMP_CODE is the authorization code you received  
from the previous step  
    params.add(new BasicNameValuePair("redirect_uri", "https://www.gcube-system.org/oauth-authentication-example/example-app")); <--  
The authorised redirect URI in your case  
    params.add(new BasicNameValuePair("client_id", $YOUR_CLIENT_ID));  
    params.add(new BasicNameValuePair("client_secret", $YOUR_CLIENT_SECRET));  
    httpPostRequest.setEntity(new UrlEncodedFormEntity(params));
```

Hope it is more clear, please do not hesitate to contact me for further information

#9 - Jan 15, 2018 02:47 PM - Massimiliano Assante

I've also added in the documentation a cose snippet that could be useful to you and more explaining perhaps.

See HTTP POST Example in JAVA in Step 3

#10 - Jan 15, 2018 06:08 PM - Konstantinos Apostolopoulos

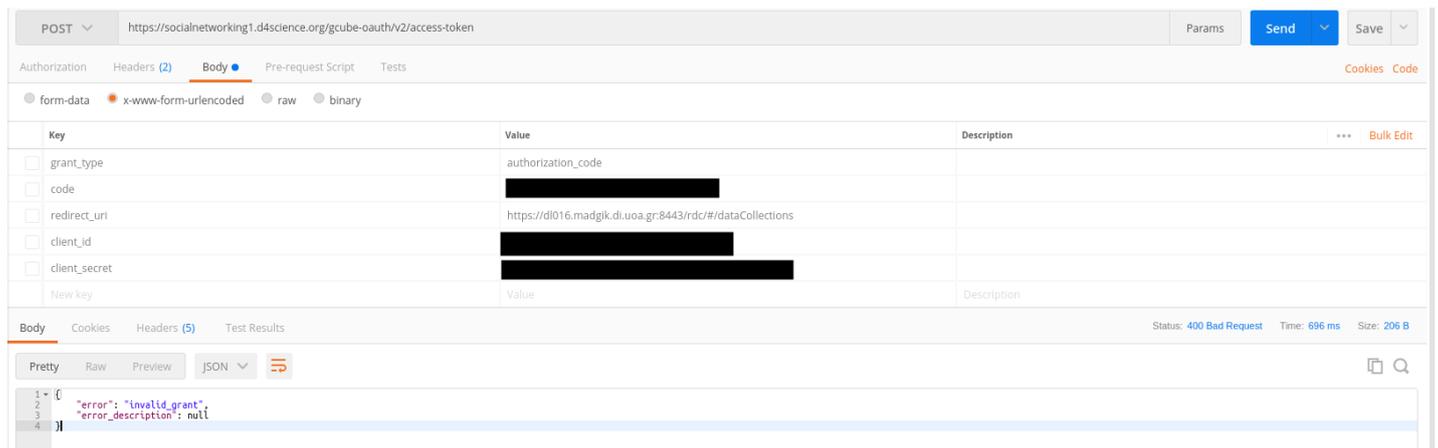
- File *oauth.png* added

When I make a request with the parameters you suggested above (with my values for code, redirect_uri, client_id and client_secret) on Postman I get a HTTP 400 error code with response

```
{  
  "error": "invalid_grant",  
  "error_description": null  
}
```

I should note that the code should be valid, as I made the request in less that 10 seconds after I received the code from the previous step.

Do you have any idea what could be the problem?
I attach a screenshot of the request in Postman.



#11 - Jan 15, 2018 06:10 PM - Konstantinos Apostolopoulos

- File *deleted (oauth.png)*

#12 - Jan 15, 2018 06:11 PM - Konstantinos Apostolopoulos

- File *oauth.png* added

#13 - Jan 15, 2018 06:45 PM - Massimiliano Assante

I added [@costantino.perciante@isti.cnr.it](mailto:costantino.perciante@isti.cnr.it) who developed the service to see what is that error about. What I also did is to create a sample application

that does all the "round" with the credentials I provided to you for your service and it seems working fine:

see <https://www.gcube-system.org/oauth-authentication-example/>

Unfortunately the error message reported does not provide enough information. For sure it could be that the temp code is expired but it could also be related to sth else, Costantino should tell us what could it be. In the meantime perhaps I would suggest to try with a programming language instead of postman so that we make sure the temp code does not expire.

#14 - Jan 16, 2018 11:28 AM - Konstantinos Apostolopoulos

I notice in your example, if I'm not mistaken, that the step for the exchange of the authorization code for an access token is implemented on the server.

Is it possible to implement the whole authorization workflow on the front-end or should the aforementioned step be implemented in an application that runs inside the VRE?

#15 - Jan 16, 2018 04:54 PM - Massimiliano Assante

Konstantinos Apostolopoulos wrote:

I notice in your example, if I'm not mistaken, that the step for the exchange of the authorization code for an access token is implemented on the server.

Is it possible to implement the whole authorization workflow on the front-end or should the aforementioned step be implemented in an application that runs inside the VRE?

You are right, it is implemented on the server. I would discourage to do this implementing the whole authorization workflow on the front-end (if by this you mean managing this via a browser only). I'm pretty sure this is not even possible; for example during the Step 3, when you Exchange Authorization Code for an Access Token after the POST the oauth2 service would respond redirecting your user to the Authorized Redirect URL, this is managed from your web server (dl016.madgik.di.uoa.gr:8443) that after processing it sends the "client part" to the client.

The Step 3 has to be implemented server side but it doesn't have to run inside the VRE. Even here i'm not really sure what you meant.

Hope this helps

#16 - Jan 16, 2018 09:19 PM - Costantino Perciante

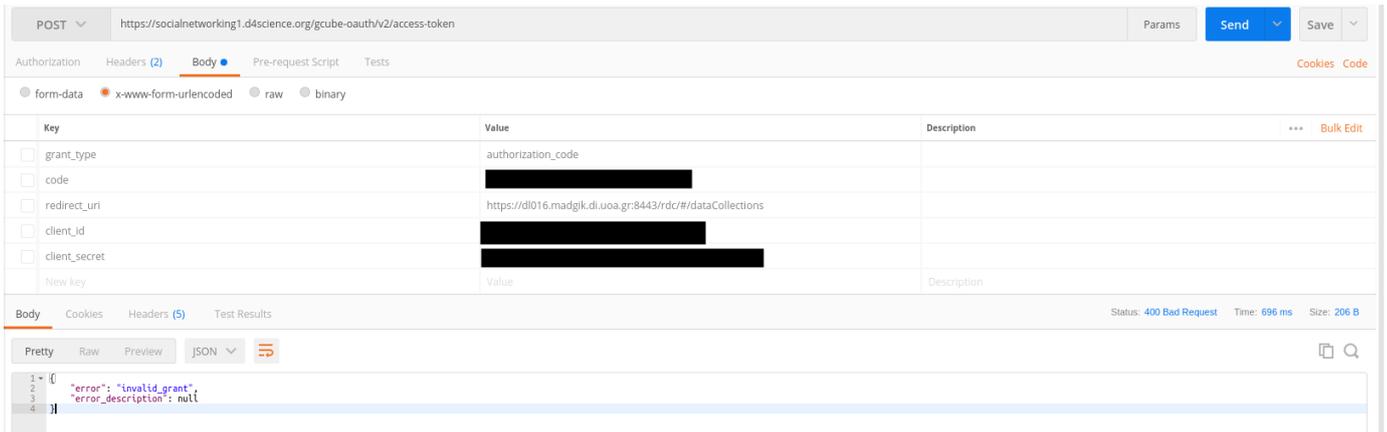
Konstantinos Apostolopoulos wrote:

When I make a request with the parameters you suggested above (with my values for code, redirect_uri, client_id and client_secret) on Postman I get a HTTP 400 error code with response

```
{  
  "error": "invalid_grant",  
  "error_description": null  
}
```

I should note that the code should be valid, as I made the request in less than 10 seconds after I received the code from the previous step.

Do you have any idea what could be the problem?
I attach a screenshot of the request in Postman.



The error you got is reported for one of the following reasons:

- the code you provide is either missing (i.e. is not recognized) or is expired at server side;
- the redirect uri you provide or the client id is wrong

#17 - Jan 23, 2018 10:58 AM - Konstantinos Apostolopoulos

Thank you both very much for your help. We got it working by implementing Step 3 server side as Massimiliano suggested.

We just have a final request.

We are in the process of releasing and deploying the application in the preproduction machine and we have made some changes to the location in Tomcat that it is being deployed.

Is it possible to change the Authorized Redirect URL to <https://dl016.madgik.di.uoa.gr:8443/regional-data-collection-addin/static/#/dataCollections> ?
And if it is required, the Logo URL to <https://dl016.madgik.di.uoa.gr:8443/regional-data-collection-addin/static/assets/images/logo.png>

Thanks again for all your help.

#18 - Jan 23, 2018 11:57 AM - Massimiliano Assante

- Authorized Redirect URLs changed from <https://dl016.madgik.di.uoa.gr:8443/rdc/#/dataCollections> to
<https://dl016.madgik.di.uoa.gr:8443/rdc/#/dataCollections>
<https://dl016.madgik.di.uoa.gr:8443/regional-data-collection-addin/static/#/dataCollections>

We support multiple authorised redirect URLs so both URLs are now authorised.

#19 - Jan 23, 2018 03:21 PM - Konstantinos Apostolopoulos

Nice to know, because in the next days we will also have to register the URL for the production machine.

But now there is a problem.

Trying to authenticate with

https://bluebridge.d4science.org/group/bluebridge-gateway/authorization?client_id=CLIENT_ID&redirect_uri=REDIRECT_URI&state=12345

after the VRE selection we get the following error:

There were issues in managing this request: Invalid redirect URL. This value must match a URL registered with the clientId:

This happens for both redirect URLs.

#20 - Jan 23, 2018 03:34 PM - Massimiliano Assante

Konstantinos Apostolopoulos wrote:

Nice to know, because in the next days we will also have to register the URL for the production machine.

But now there is a problem.

Trying to authenticate with

https://bluebridge.d4science.org/group/bluebridge-gateway/authorization?client_id=CLIENT_ID&redirect_uri=REDIRECT_URI&state=12345

after the VRE selection we get the following error:

There were issues in managing this request: Invalid redirect URL. This value must match a URL registered with the clientId:

This happens for both redirect URLs.

I'm checking

#21 - Jan 23, 2018 03:51 PM - Massimiliano Assante

@apostkonst@gmail.com I can't find any issue in the service, everything seems ok. Can you paste the redirect_uri printed in the address below?

~~~

Trying to authenticate with

[https://bluebridge.d4science.org/group/bluebridge-gateway/authorization?client\\_id=CLIENT\\_ID&redirect\\_uri=REDIRECT\\_URI&state=12345](https://bluebridge.d4science.org/group/bluebridge-gateway/authorization?client_id=CLIENT_ID&redirect_uri=REDIRECT_URI&state=12345)

~~~

One potential issue I found is that the redirect_uri must be exactly the same as registered (the case matters). Should this be the case can fix this in the next release.

#22 - Jan 23, 2018 04:53 PM - Konstantinos Apostolopoulos

Either URL encoded

https://bluebridge.d4science.org/group/bluebridge-gateway/authorization?client_id=CLIENT_ID&redirect_uri=https%3A%2F%2Fdl016.madgik.di.uoa.gr%3A8443%2Fregional-data-collection-addin%2Fstatic%2F%23%2FdataCollections&state=12345

or not

https://bluebridge.d4science.org/group/bluebridge-gateway/authorization?client_id=CLIENT_ID&redirect_uri=https://dl016.madgik.di.uoa.gr:8443/regional-data-collection-addin/static/#/dataCollections&state=12345

I get the error.

#23 - Jan 23, 2018 05:00 PM - Massimiliano Assante

- Authorized Redirect URLs changed from <https://dl016.madgik.di.uoa.gr:8443/rdc/#/dataCollections>
<https://dl016.madgik.di.uoa.gr:8443/regional-data-collection-addin/static/#/dataCollections> to <https://dl016.madgik.di.uoa.gr:8443/rdc/#/dataCollections>
<https://dl016.madgik.di.uoa.gr:8443/regional-data-collection-addin/static/#/dataCollections>

My fault , I apologies :(

there was a blank at the beginning in the authorised URL for <https://dl016.madgik.di.uoa.gr:8443/regional-data-collection-addin/static/#/dataCollections> this is why very probably isn't working, please try now. For the previous URL instead nothing has changed and it should be working can you confirm?

#24 - Jan 23, 2018 05:18 PM - Konstantinos Apostolopoulos

They both work now.
Thanks a lot!

#25 - Jan 24, 2018 11:02 AM - Dimitris Katris

Dear @massimiliano.assante@isti.cnr.it,

Is there any way to test the OAuth login in the pre-production environment? <https://wiki.gcube-system.org/gcube/OAuth2.0> contains endpoints only for the production and development infrastructures. The pre-production environment is not mentioned anywhere.

#26 - Jan 24, 2018 11:05 AM - Massimiliano Assante

Yes Dimitris, <https://pre.d4science.org/group/pre/authorization>

#27 - Jan 24, 2018 11:42 AM - Konstantinos Apostolopoulos

Do we have to get a different client id for the preproduction OAuth service?

#28 - Jan 24, 2018 12:12 PM - Massimiliano Assante

Yes, I forgot - it is completely different. Both client-id and client secrets have to be recreated if you wish to test this in preproduction. Let me know what you want to do.

#29 - Jan 26, 2018 10:39 AM - Konstantinos Apostolopoulos

Hello Massimiliano,
we would like to also register our app for the preproduction using the Redirect URL
<https://dl016.madgik.di.uoa.gr:8443/regional-data-collection-addin/static/#/dataCollections> .
Should we open a new ticket?

#30 - Jan 29, 2018 12:56 PM - Massimiliano Assante

Konstantinos Apostolopoulos wrote:

Hello Massimiliano,
we would like to also register our app for the preproduction using the Redirect URL
<https://dl016.madgik.di.uoa.gr:8443/regional-data-collection-addin/static/#/dataCollections> .
Should we open a new ticket?

Hello Konstantinos, I've updated the same txt file I shared with you previously with the client-id and secrets to be used in preprod. Please find the client id and client secret in the workspace at this URL (Only you and Panagiota can access it): <https://goo.gl/TfjRQ8>

#31 - Jan 29, 2018 02:14 PM - Konstantinos Apostolopoulos

Thank you Massimiliano.

Could we also have the preproduction endpoints for:
* the gcube-oauth service to exchange the authorization code for an access token
* the social networking web service to retrieve information about the user

Thanks again.

#32 - Jan 29, 2018 02:48 PM - Massimiliano Assante

Konstantinos Apostolopoulos wrote:

Thank you Massimiliano.
Could we also have the preproduction endpoints for:
* the gcube-oauth service to exchange the authorization code for an access token

<http://socialnetworking-t.pre.d4science.org/gcube-oauth/v2/access-token>

- the social networking web service to retrieve information about the user

<http://socialnetworking-t.pre.d4science.org/social-networking-library-ws/>

Thanks again.

#33 - Jan 29, 2018 03:23 PM - Konstantinos Apostolopoulos

Testing the authentication in the preproduction it seems like the application is not registered. We get the following error:

The client_id does not exist or something occurred in retrieving it from the Information System

Sorry for the trouble but we would also like to include an additional Authorized Redirect URL in the preproduction:

<https://dl016.madgik.di.uoa.gr/regional-data-collection-addin/static/#/dataCollections>

#34 - Jan 29, 2018 03:41 PM - Massimiliano Assante

Konstantinos Apostolopoulos wrote:

Testing the authentication in the preproduction it seems like the application is not registered. We get the following error:

The client_id does not exist or something occurred in retrieving it from the Information System

Your using the client id that starts with ab9d32c9- ?

Sorry for the trouble but we would also like to include an additional Authorized Redirect URL in the preproduction:

<https://dl016.madgik.di.uoa.gr/regional-data-collection-addin/static/#/dataCollections>

#35 - Jan 29, 2018 03:43 PM - Konstantinos Apostolopoulos

Your using the client id that starts with ab9d32c9- ?

Yes

https://pre.d4science.org/group/pre/authorization?client_id=ab9d32c9-...&redirect_uri=https%3A%2F%2Fd016.madgik.di.uoa.gr%3A8443%2Fregion-al-data-collection-addin%2Fstatic%2F%23%2FdataCollections&state=12345

#36 - Jan 29, 2018 04:39 PM - Massimiliano Assante

@costantino.perciante@isti.cnr.it can you look at this issue?

#37 - Jan 30, 2018 12:38 PM - Costantino Perciante

There is an issue while discovering a resource. I'm going to fix it

#38 - Jan 30, 2018 03:44 PM - Costantino Perciante

- Assignee changed from Massimiliano Assante to Konstantinos Apostolopoulos

Please could you verify it works in preprod now?

#39 - Jan 31, 2018 09:26 AM - Konstantinos Apostolopoulos

Costantino Perciante wrote:

Please could you verify it works in preprod now?

It still doesn't work. I get the same error message, that the client_id does not exist or something occurred in retrieving it from the Information System.

#40 - Jan 31, 2018 10:24 AM - Costantino Perciante

- File *RegionalDataCollection.png* added

Konstantinos Apostolopoulos wrote:

Costantino Perciante wrote:

Please could you verify it works in preprod now?

It still doesn't work. I get the same error message, that the client_id does not exist or something occurred in retrieving it from the Information System.

Now it should

#41 - Jan 31, 2018 10:33 AM - Konstantinos Apostolopoulos

Costantino Perciante wrote:

Now it should

Yes it does! Thank you very much

We would also like to add <https://dl016.madgik.di.uoa.gr/regional-data-collection-addin/static/#/datacollections> as an Authorized Redirect URL, to the preproduction registration.

#42 - Jan 31, 2018 11:56 AM - Massimiliano Assante

Konstantinos Apostolopoulos wrote:

Costantino Perciante wrote:

Now it should

Yes it does! Thank you very much

We would also like to add <https://dl016.madgik.di.uoa.gr/regional-data-collection-addin/static/#/datacollections> as an Authorized Redirect URL, to the preproduction registration.

<https://dl016.madgik.di.uoa.gr/regional-data-collection-addin/static/#/datacollections> added as further preprod authorised redirect URL

#43 - Jan 31, 2018 12:17 PM - Konstantinos Apostolopoulos

I'm really sorry, I made a mistake in the URL. Could we modify it?

It should be <https://dl016.madgik.di.uoa.gr/regional-data-collection-addin/static/#/dataCollections> with a capital "C" in dataCollections, instead of datacollections

If you have not already edited it, nevermind.
/datacollections also works.

Thank you for all your help.

#44 - Feb 09, 2018 03:00 PM - Konstantinos Apostolopoulos

Hello Massimiliano,

we would like to register an additional redirect URL for the production environment.

The URL is:

<https://dl004.madgik.di.uoa.gr/regional-data-collection-addin/static/#/dataCollections>

Thank you in advance.

#45 - Feb 12, 2018 10:12 AM - Konstantinos Apostolopoulos

Hello Massimiliano,

are there any news about the additional Redirect URL?

Thanks a lot.

#46 - Feb 12, 2018 01:49 PM - Massimiliano Assante

<https://dl004.madgik.di.uoa.gr/regional-data-collection-addin/static/#/dataCollections> added and as logo:

<https://dl004.madgik.di.uoa.gr/regional-data-collection-addin/static/assets/images/logo.png>

Files

oauth.png	50.1 KB	Jan 15, 2018	Konstantinos Apostolopoulos
RegionalDataCollection.png	108 KB	Jan 31, 2018	Costantino Perciante